


To: The Honorable Mayor and City Council

From: Aleem A. Ghany, P.E., Public Works Director 

Date: August 21, 2013

RE: **A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF
NORTH MIAMI, FLORIDA, ADOPTING THE CLEAN WATER FACILITIES
PLAN ADDENDUM FOR FDEP – SRF CONSIDERATION**

RECOMMENDATION

Staff recommends that Council adopt the proposed Florida Department of Environmental Protection (FDEP) State Revolving Fund (SRF) Clean Water Facilities Plan Addendum which addresses needed improvements to the City's wastewater collection and transmission system (Piping and Pump Stations). Approving this resolution will allow the City's Public Works Department to comply with the FDEP regulatory requirements and also allow the City to obtain low interest loan funding through the FDEP-SRF program for the Construction. The Clean Water Facilities Plan amends/supplements the:

- Sanitary Sewer Master Plan by Hazen & Sawyer
- Sanitary Sewer Evaluation Survey by Atkins Engineers
- Second Cycle Sanitary Sewer Evaluation Survey Phase I & II Preliminary Sewer System Survey by CDM
- Facilities Plan by Black and Veatch

This Facilities Plan Addendum complies with the requirements established by 62-552 FAC.

BACKGROUND

Wastewater utilities across the country are facing serious challenges with the increasing need to maintain aging infrastructure, and the stringent regulatory requirements imposed on utilities by USEPA, FDEP and Miami-Dade County Department of Regulatory and Economic Resources (RER). The City of North Miami is faced with the same challenges. The Sanitary Sewer Master Plan by Hazen & Sawyer, the Sanitary Sewer Evaluation Survey (SSES), and the Peak Flow Management Study mandated by

the USEPA conducted hydraulic modeling, which outlines several components of the sanitary sewer system, has insufficient capacity and shows unsatisfactory performance which may result in wastewater overflows.

The City also has high inflow and infiltration (I&I) conditions in the system which contribute to overloading of the wastewater collection system (pipes, pumps, etc.). The goal of the City of North Miami's utilities is to solve structural defects, reduce inflow and infiltration, and to maximize the flow capacity of the sanitary sewer system in the most cost effective and environmentally sound manner. It is critical for the City to minimize the number of wastewater overflows and reduce the amount of I&I within the collection system, all within operational compliance. Recommended improvements noted in the above wastewater collections system reports are part of the utilities' strategic plan to maintain regulatory compliance and provide continuous customer service.

ATTACHMENTS:

- 1) Resolution
- 2) PowerPoint Summary of Facilities Plan

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA, APPROVING THE ATTACHED CLEAN WATER FACILITIES PLAN ADDENDUM TO THE CITY OF NORTH MIAMI SANITARY SEWER MASTER PLAN AND SECOND CYCLE SANITARY SEWER EVALUATION SURVEY ("FACILITIES PLAN"); AND FURTHER AUTHORIZING THE CITY MANAGER AND CITY ATTORNEY TO DO ALL THINGS NECESSARY TO IMPLEMENT THE FACILITIES PLAN IN ORDER TO OBTAIN AVAILABLE FUNDING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE REVOLVING FUND ("SRF"), IN ACCORDANCE WITH FLORIDA LAW; PROVIDING FOR AN EFFECTIVE DATE AND FOR ALL OTHER PURPOSES.

WHEREAS, the Florida Safe Drinking Water Act under Chapter 403, Florida Statutes, provides for financial assistance to local government agencies to finance construction of wastewater collection and transmission system improvements; and

WHEREAS, the Florida Department of Environmental Protection State Revolving Fund ("SRF"), has designated wastewater collection and transmission system improvements as eligible for available funding to finance needed construction and infrastructure improvements to the City of North Miami ("City"), under Project Number CW Project No. WW13180; and

WHEREAS, the Clean Water Facilities Plan Addendum to the City Sanitary Sewer Master Plan and Second Cycle Sanitary Sewer Evaluation Survey ("Facilities Plan"), was prepared by the City to meet the funding requirements of the SRF, at an approximate cost of Thirteen Million Two Hundred Thirty-Five Thousand Nine Hundred Fifty-Two Dollars (\$13,235,952.00); and

WHEREAS, as a condition of obtaining SRF funding, the City is required to hold a public meeting and discuss the various elements of the Facilities Plan proposed for the waste water collection and transmission system improvements; and

WHEREAS, City administration respectfully requests that the Mayor and City Council approve the attached Facilities Plan, allowing the City to participate in the SRF funding program; and

WHEREAS, the Mayor and City Council have determined that the approval of the attached Facilities Plan for waste water collection and transmission system improvements, to allow the City to obtain necessary funding in accordance with SRF guidelines, is in the best interest of the City.

NOW THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA:

Section 1. **Approval of Clean Water Facilities Plan Addendum.** The Mayor and City Council of the City of North Miami, Florida, hereby approve the attached Clean Water Facilities Plan Addendum to the City of North Miami Sanitary Sewer Master Plan and Second Cycle Sanitary Sewer Evaluation Survey ("Facilities Plan").

Section 2. **Authority of City Manager and City Attorney.** The Mayor and City Council of the City of North Miami, Florida, hereby authorize the City Manager and City Attorney to do all things necessary to implement the Facilities Plan in order to obtain available funding from the Florida Department of Environmental Protection State Revolving Fund ("SRF"), in accordance with Florida law.

Section 3. **Effective Date.** This Resolution shall become effective immediately upon adoption.

PASSED AND ADOPTED by a _____ vote of the Mayor and City Council of the City of North Miami, Florida, this _____ day of August, 2013.

LUCIE M. TONDREAU
MAYOR

ATTEST:

MICHAEL A. ETIENNE, ESQ.
CITY CLERK

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

REGINE M. MONESTIME
CITY ATTORNEY

SPONSORED BY: CITY ADMINISTRATION

Moved by: _____

Seconded by: _____

Vote:

Mayor Lucie M. Tondreau	_____ (Yes)	_____ (No)
Vice Mayor Marie Erlande Steril	_____ (Yes)	_____ (No)
Councilperson Scott Galvin	_____ (Yes)	_____ (No)
Councilperson Carol F. Keys, Esq.	_____ (Yes)	_____ (No)
Councilperson Philippe Bien-Aime	_____ (Yes)	_____ (No)